```
RRRRRRRRRRRR        UUU           UUU NNN          NNN    000000000      FFFFFFFFFFFFFFF   FFFFFFFFFFFFFFF
RRRRRRRRRRRR        UUU           UUU NNN          NNN    000000000      FFFFFFFFFFFFFFF   FFFFFFFFFFFFFFF
RRRRRRRRRRRR        UUU           UUU NNN          NNN    000000000      FFFFFFFFFFFFFFF   FFFFFFFFFFFFFFF
RRR        RRR      UUU           UUU NNN          NNN  000        000   FFF               FFF
RRR        RRR      UUU           UUU NNN          NNN  000        000   FFF               FFF
RRR        RRR      UUU           UUU NNN          NNN  000        000   FFF               FFF
RRR        RRR      UUU           UUU NNNNNN       NNN  000        000   FFF               FFF
RRR        RRR      UUU           UUU NNNNNN       NNN  000        000   FFF               FFF
RRR        RRR      UUU           UUU NNNNNN       NNN  000        000   FFF               FFF
RRRRRRRRRRRR        UUU           UUU NNN    NNN   NNN  000        000   FFFFFFFFFFF       FFFFFFFFFFF
RRRRRRRRRRRR        UUU           UUU NNN    NNN   NNN  000        000   FFFFFFFFFFF       FFFFFFFFFFF
RRRRRRRRRRRR        UUU           UUU NNN    NNN   NNN  000        000   FFFFFFFFFFF       FFFFFFFFFFF
RRR    RRR          UUU           UUU NNN       NNNNNN  000        000   FFF               FFF
RRR    RRR          UUU           UUU NNN       NNNNNN  000        000   FFF               FFF
RRR    RRR          UUU           UUU NNN       NNNNNN  000        000   FFF               FFF
RRR        RRR      UUU           UUU NNN          NNN  000        000   FFF               FFF
RRR        RRR      UUU           UUU NNN          NNN  000        000   FFF               FFF
RRR        RRR      UUU           UUU NNN          NNN  000        000   FFF               FFF
RRR          RRR    UUUUUUUUUUUUUUUU  NNN          NNN    000000000      FFF               FFF
RRR          RRR    UUUUUUUUUUUUUUUU  NNN          NNN    000000000      FFF               FFF
RRR          RRR    UUUUUUUUUUUUUUUU  NNN          NNN    000000000      FFF               FFF
```

```
RRRRRRRR    NN       NN    000000    DDDDDDD    EEEEEEEEEE    FFFFFFFFFF
RRRRRRRR    NN       NN    000000    DDDDDDD    EEEEEEEEEE    FFFFFFFFFF
RR     RR   NN       NN   00    00   DD    DD   EE            FF
RR     RR   NN       NN   00    00   DD    DD   EE            FF
RR     RR   NNNN     NN   00    00   DD    DD   EE            FF
RR     RR   NNNN     NN   00    00   DD    DD   EE            FF
RRRRRRRR    NN NN    NN   00    00   DD    DD   EEEEEEE       FFFFFFF
RRRRRRRR    NN NN    NN   00    00   DD    DD   EEEEEEE       FFFFFFF
RR  RR      NN    NNNN    00    00   DD    DD   EE            FF
RR   RR     NN    NNNN    00    00   DD    DD   EE            FF
RR    RR    NN       NN   00    00   DD    DD   EE            FF
RR    RR    NN       NN   00    00   DD    DD   EE            FF
RR     RR   NN       NN   000000    DDDDDDD    EEEEEEEEEE    FF           ....
RR     RR   NN       NN   000000    DDDDDDD    EEEEEEEEEE    FF           ....
                                                                         ....
                                                                         ....

LL              IIIIII        SSSSSSSS
LL              IIIIII        SSSSSSSS
LL                II        SS
LL                II        SS
LL                II        SS
LL                II          SSSSSS
LL                II          SSSSSS
LL                II                SS
LL                II                SS
LL                II                SS
LL                II                SS
LLLLLLLLLL      IIIIII        SSSSSSSS
LLLLLLLLLL      IIIIII        SSSSSSSS
```

```
0001  0
0002  0         Version:      'V04-000'
0003  0
0004  0         ************************************************************************
0005  0         *                                                                      *
0006  0         *  COPYRIGHT (c) 1978, 1980, 1982, 1984 BY                             *
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0022  0         *  SOFTWARE ON EQUIPMENT WHICH IS NOT SUPPLIED BY DIGITAL.              *
0023  0         *                                                                      *
0024  0         *                                                                      *
0025  0         ************************************************************************
0026  0
0027  0
0028  0         !++
0029  0         ! FACILITY:      DSR (Digital Standard RUNOFF) / DSRPLUS
0030  0         !
0031  0         ! ABSTRACT:
0032  0         !      Converts BLISS/VARIANT values into useful names.
0033  0         !
0034  0         ! ENVIRONMENT:  Transportable BLISS
0035  0         !
0036  0         ! AUTHOR:       Rich Friday
0037  0         !
0038  0         ! CREATION DATE: 1978
0039  0         !
0040  0         ! MODIFIED BY:
0041  0         !
0042  0         !     016     KAD00016      Ray Marshall    19-Mar-1984
0043  0         !             Added GERMAN, FRENCH, & ITALIAN.
0044  0         !
0045  0         !     015     KAD00015      Keith Dawson    18-Apr-1983
0046  0         !             Made the LN01 conditional the default for vanilla DSR --
0047  0         !                 its value is 0 (no variant supplied).
0048  0         !
0049  0         !     014     KAD00014      Keith Dawson    22-Mar-1983
0050  0         !             Asserted the LN01 conditional when DSRPLUS is asserted.
0051  0         !
0052  0         !     013     KAD00013      Keith Dawson    20-Mar-1983
0053  0         !             Removed all references to .BIX and .BTC files.
0054  0         !
0055  0         !     012     KAD00012      Keith Dawson    07-Mar-1983
0056  0         !             Global edit of all modules. Updated module names, idents,
0057  0         !             copyright dates. Changed require files to BLISS library.
```

```
0058  0      !--
0059  0
0060  0
0061  0      !++
0062  0            D E F I N I T I O N   O F   /VARIANT   B I T S
0063  0
0064  0            The bit assignments are as follows:
0065  0
0066  0            Bit  Weight   Meaning
0067  0         --------------------------------------------------------------
0068  0            --      0     If no /VARIANT is supplied (as for vanilla DSR),
0069  0                          compile with LN01 support. LN01 support is also
0070  0                          implied by the DSRPLUS variant.
0071  0
0072  0             0      1     CLEAR =  Unassigned
0073  0                          SET   =  Unassigned
0074  0
0075  0             1      2     CLEAR =  Normal compile
0076  0                          SET   =  Compile for DSRPLUS
0077  0
0078  0            4-6    16     CLEAR =  English (American) version
0079  0                          SET   =  16 = German (Austrian)
0080  0                                   32 = French
0081  0                                   48 = Italian
0082  0      !--
0083  0
0084  0      !--------------------------------------------------------------
0085  0      !  This variable (LN01) controls whether or not to compile an LN01-flavored
0086  0      !  DSR. It is asserted by default, and also whenever DSRPLUS is asserted.
0087  0      !
0088  0      !  Modules utilizing LN01 are:
0089  0      !
0090  0      !    DOOPTS  NOUT
0091  0
0092  0      COMPILETIME
0093  0          ln01 =
0094  1              ( (%VARIANT EQL 0) OR  %VARIANT/2 )
0095  0          ;
0096  0
0097  0      !--------------------------------------------------------------
0098  0      !  This variable (DSRPLUS) controls compilation for the DSRPLUS program.
0099  0      !
0100  0      !  All modules utilize DSRPLUS.
0101  0
0102  0      COMPILETIME
0103  0          dsrplus =
0104  1              ( %VARIANT/2 )
0105  0          ;
0106  0
0107  0      !--------------------------------------------------------------
0108  0      !  This variable (FLIP) controls compilation of FLIP features of DSRPLUS.
0109  0      !  It assures that FLIP features are compiled only on VMS systems.
0110  0      !
0111  0      !  Modules utilizing FLIP are many and various.
0112  0
0113  0      COMPILETIME
0114  0          flip =
```

```
;  0115  1                 ( %VARIANT/2 AND %BLISS(BLISS32) )
;  0116  0            ;
;  0117  0
;  0118  0        !-----------------------------------------------------------------
;  0119  0        !      4-6    16      CLEAR =   English (American) version
;  0120  0        !                    SET   =   16 = German (Austrian)
;  0121  0        !                              32 = French
;  0122  0        !                              48 = Italian
;  0123  0        COMPILETIME
;  0124  0           German  = ( %VARIANT/16 AND NOT %VARIANT/32 AND NOT %VARIANT/64 ) ;
;  0125  0        COMPILETIME
;  0126  0           French  = ( NOT %VARIANT/16 AND %VARIANT/32 AND NOT %VARIANT/64 ) ;
;  0127  0        COMPILETIME
;  0128  0           Italian = ( %VARIANT/16 AND %VARIANT/32 AND NOT %VARIANT/64 ) ;
;  0129  0        !-----------------------------------------------------------------
;  0130  0        !                   End of RNODEF.REQ



;                              COMMAND QUALIFIERS

;        BLISS/LIBRARY=SRC$:RNODEFDSR/LIST=LIS$: SRC$:RNODEF.REQ

; Run Time:          00:01.0
; Elapsed Time:      00:02.6
; Lines/CPU Min:     8210
; Lexemes/CPU-Min:   8652
; Memory Used:  7 pages
; Library Precompilation Complete
```

RSDERM
LIS

RTERM
LIS

RNODEF
LIS

RUNOFF
LIS

RNOVMS
LIS

RSKIPS
LIS

RNODAT
LIS

SAVRES
LIS

RNOURS
LIS

RNFERM
LIS